BRUHAT BENGALURU MAHANAGARA PALIKE

Tender Name: Construction of RCC culverts & remodeling of U Shape drain for secondary SWD S Ramesh road to Urdu school in Dasarahalli Ward No.15

Sl. No		Description of work	Unit	No	Dimensions L	B	D	Quantity
		Measurments Countd. On : 26/06/2019						
32	E-13	KSRB13-6.5-1 : Providing and fixing in position 15mm nominal bore brass ferrule with C.I mouth cover including boring and tapping the P main, cost of all materials, labour and HOM of equipments with all leads ■g' complete as per specifications. 20 mm dia nominal						
			Mtr	1	7			7
							Sub Total	7

PMC

Assistant Engineer,
SWD Dasarahalli Zone,BBMP.

Assistant Executive Engineer,
SWD Dasarahalli Zone,BBMP.

		Measurments Countd. On : 05/07/2019						
33	E-14	Providing and laying cement concrete using 20mm and down size ^g ra n ite coarse aggregates and fine aggregates of ready mixed concrete H f ' for RCC works laid in 15 cm thick layers and well compacted including 1%: vibrating curing etc., with all lead and lift etc., complete, (exculsive of ^ cost of steel and fabrication charges) Ready mixed Cement concrete M-30						
		Road	Cum	1	53.95	4.50	0.20	48.56
		Deduction	Cum	-1	53.95	2.40	0.20	-25.90
							Sub Total	**22.66**

PMC

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Assistant Executive Engineer,
SWD Dasarahalli Zone,BBMP.

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BRUHAT BENGALURU MAHANAGARA PALIKE

Tender Name: Construction of RCC culverts & remodeling of U Shape drain for secondary SWD S Ramesh road to Urdu school in Dasarahalli Ward No.15

Sl. No		Description of work	Unit	No	Dimensions			Quantity
					L	B	D	
		Measurments Countd. On : 17/05/2019						
20	E-3	KSRB 2.5 : Earthwork excavation in all soil deposits and filling sides of foundation upto plinth in layers not exceeding 20cms. in depth, compacting each deposited layer by ramming after watering with all lead and lift including cost of all labour complete as per specifications7/2.12						
			Cum	1	66.00	0.90	2.00	**118.80**
			CMPC	1	60.00	0.90	2.00	**108.00**
							Total	**226.80**

BVH CONSULTING ENGINEERS BENGALURU PMC

17/5/19

Assistant Engineer,
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BRUHAT BENGALURU MAHANAGARA PALIKE

Tender Name: Construction of RCC culverts & remodeling of U Shape drain for secondary SWD S Ramesh road to Urdu school in Dasarahalli Ward No.15

	Mmeasurments Countd. On : 21/06/2019							
24	E-5	Supplying and fixing Precast reinforced concrete slab **30 cm** thick including cost of reinforcement as per desing and drawing materials cost transpotion, hire charges of machinery, machine cutting the verticle face to get plain even surface etc., complete with all lead and lift conveyance charges, labour charges inclusive of cost of all materils (data rate) **M-30 Grade**						
			Sqm	1	46.35	2.40		111.24
							Sub Total	**111.24**

PMC

Babbah 21/6/2019
Assistant Engineer,
SWD Dasarahalli Zone,BBMP.

Assistant Executive Engineer,
SWD Dasarahalli Zone,BBMP.

	Measurments Countd. On : 6/7/2019							
25	E-6	Supplying and fixing Precast reinforced concrete slab **10 cm** thick including cost of reinforcement as per desing and drawing materials cost transpotion, hire charges of machinery, machine cutting the verticle face to get plain even surface etc., complete with all lead and lift conveyance charges, labour charges inclusive of cost of all materils (data rate) **M-20 Grade**						
			Sqm	1	35.50	0.60		21.30
				1	37.80	0.75		28.35
				3	0.80	1.20		2.88
							Sub Total	**52.53**

check

PMC

Babbah 6/7/19
Assistant Engineer,
SWD Dasarahalli Zone,BBMP.

Assistant Executive Engineer,
SWD Dasarahalli Zone,BBMP.

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Premeasurement counted on 29/05/2019

Name of Work	Construction of RCC culverts & remodeling of U Shape drain for secondary SWD S Ramesh road to Urdu school in Dasarahalli Ward No.15
BOQ-21	Supplying,fitting and placing TMT bar reinforcement in super-structure complete as per drawing and technical specifications complete as per specifications. TMT Bars Fe 500 all leads and lifts as directed by the Engineer in charge of the work.

SL No.	DESCRIPTION	Shape of Bar	Dia of Bar	Spacing (M)	Nos			Cut Length	Total Length in (M)			
									10	12	16	32
	Slab reinforcement details											
	Length = 7.60											
	Slab Bottom Bar		**16**	0.175	1	**44**	1	3.90	-	-	171.60	-
	Slab Top Bar		**16**	0.150	1	**52**	1	5.00	-	-	260.00	-
	Dirtribution		**10**	0.200	2	**18**	1	2.40	86.40	-	-	-
	Chairs		**12**		1	**12**	1	1.50	-	18.00	-	-
	Length = 1.00											
	Slab Bottom Bar		**16**	0.175	1	**8**	1	3.40	-	-	27.20	-
	Slab Top Bar		**16**	0.150	1	**6**	1	1.10	-	-	6.60	-
	Dirtribution		**10**	0.200	2	**18**	1	1.50	54.00	-	-	-
	Chairs		**12**		1	**2**	1	1.50	-	3.00	-	-
								Total Length (Rmt)	140.40	21.00	465.40	-
								Unit weight of bar	0.617	0.888	1.567	6.310
								Total quantity in KG	86.630	18.650	729.280	-
								Sub quantity	834.56 Tonne			
									0.83 Tonne			

CONSULTING ENGINEERS

28/5/2019
Assistant Engineer
BBMP- SWD, Dasarahalli Zone
Bengaluru

Assistant Executive Engineer
BBMP- SWD, Dasarahalli Zone
Bengaluru

Jayaram. K.

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Premeasurement counted on 28/05/2019

Name of Work	**Construction of RCC culverts & remodeling of U Shape drain for secondary SWD S Ramesh road to Urdu school in Dasarahalli Ward No.15**
BOQ-21	Supplying,fitting and placing TMT bar reinforcement in super-structure complete as per drawing and technical specifications complete as per specifications. TMT Bars Fe 500 all leads and lifts as directed by the Engineer in charge of the work.

SL No.	DESCRIPTION	Shape of Bar	Dia of Bar	Spacing (M)	Nos			Cut Length	Total Length in (M)			
									10	12	16	32
	Slab reinforcement details											
	Length = 2.40											
	Slab Bottom Bar		**16**	0.175	1	**21**	1	3.90	-	-	81.90	-
	Slab Top Bar		**16**	0.15	1	**13**	1	5.00	-	-	65.00	-
	Dirtribution		**10**	0.20	2	**18**	1	2.40	86.40	-	-	-
	Chairs		**12**		1	**12**	1	1.50	-	18.00	-	-
	Parapet											
	Parapet main rod		**12**	0.20	2	**2**	1	3.40	-	13.60	-	-
	Stirrups for parapet		**10**	0.20	1	**18**	1	1.10	19.80	-	-	-
	Hanch rod		**10**	0.175	1	**18**	1	1.50	27.00	-	-	-
								Total Length (Rmt)	133.20	31.60	146.90	-
								Unit weight of bar	0.617	0.888	1.567	6.310
								Total quantity in KG	82.180	28.060	230.190	-
								340.43 **Sub quantity**	0.34043 Tonne			

Assistant Engineer
BBMP- SWD, Dasarahalli Zone
Bengaluru
28/5/19

Assistant Executive Engineer
BBMP- SWD, Dasarahalli Zone
Bengaluru

Jayarama.K.

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BRUHAT BENGALURU MAHANAGARA PALIKE

Tender Name: Construction of RCC culverts & remodeling of U Shape drain for secondary SWD S Ramesh road to Urdu school in Dasarahalli Ward No.15

Sl. No		Description of work	Unit	No	Dimensions			Quantity
					L	B	D	
		Premeasurments Countd. On : 28/05/2019						
11	BOQ No-13	KSRRB M2300-4.1 Furnishing and placing reinforced/ prestressed Cement Concrete in **Superstructure as per** drawing and Technical Specification complete as per specification RCC with **OPC cement design mix M-25** @340kgs, with 20mm and down size graded granite metal coarse aggregates @0.7 cum and fine aggregates @ 0.47cum, with superplastisisers @3lts confirming to IS9103-1999 Reaffirmed-2008 height upto 5 mtrs with Batching Plant, Transite Mixer and Concrete Pump . MORTH specification No 1500, 1600 & 1700 with all leads and lifts as directed by the Engineer in charge of the work.						
		Description of work	**Unit**	**No**	**Dimensions**			**Quantity**
					L	**B**	**D**	
		Slab	Cum	1	3.6	2.4	0.3	2.59
		Hanch		1	2.4	0.3	0.3	0.22
		Parapet		2	3.6	0.3	0.3	0.65
		Module house colony						
		Deck Slab	Cum	1	3.80	2.40	0.35	3.19
				1	1.00	2.40	0.35	0.84
				1	3.10	2.40	0.35	2.60
							Total	**10.09**

BVH CONSULTING ENGINEERS BENGALURU PMC

Assistant Engineer,
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28/5/19

Assistant Executive Engineer,
SWD Dasarahalli Zone,BBMP

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BRUHAT BENGALURU MAHANAGARA PALIKE

Tender Name: Construction of RCC culverts & remodeling of U Shape drain for secondary SWD S Ramesh road to Urdu school in Dasarahalli Ward No 15

Sl. No		Description of work	Unit	No	Dimensions L	B	D	Quantity
	Premeasurments Countd, On : 17/06/2019							
17	BOQ No-21	Supplying and fixing **M.S. Rectangular poles made out of 2 equal angles of 65x65x6** mm welded together and fixed in CC (1:2:4) WITH 2 NOS 16mm dia M.S. hold fast rods each of length 25 cms. Including cost of all materials cutting, bending scaffolding wherever necessary, nicely finishing the welded joints with all lead lifts and as per the directions of the Engineerin - charge of the work and including providing 2 coats of approved quality paint over one coat of shop painting (excluding cost of earthwork and concrete)						
				Nos				
		No of poles		22			6.90	151.80
				1			9.90	9.90
				2			1.75	3.50
				1			1.20	1.20
							Qty	166.40

checked

PMC

Babaleshwar 18/6/19
Assistant Engineer,
SWD Dasarahalli Zone,BBMP.

Assistant Executive Engineer,
SWD Dasarahalli Zone,BBMP.

21/6/2019

18	BOQ No-22	Providing and fixing **M.S. Block pipe of 38mm dia, of heavy guage of 14** including removing the bends, cutting the pipe, and fixing pipe in between the existing two verticle poles (M.S. rectangular poles) and spot welding the chain link with M.S. block pipe including cost of all materials wastage in cutting, and scaffolding wherever necessary with all lead and lift as directed by the Engineer-in- charge of work etc., complete including two coats of approved quality paint over one coat of shop paint.						
				Nos		L		
		M S block pipe		10		66.20		662.00
				7		1.00		7.00
				3		2		6.00
				2		1.75		3.50
				3		4.5		13.50
				1		1.20		1.20
							Total	693.20

checked

PMC

Babaleshwar 21/6/19
Assistant Engineer,
SWD Dasarahalli Zone,BBMP.

Assistant Executive Engineer,
SWD Dasarahalli Zone,BBMP.

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BRUHAT BENGALURU MAHANAGARA PALIKE

Tender Name: Construction of RCC culverts & remodeling of U Shape drain for secondary SWD S Ramesh road to Urdu school in Dasarahalli Ward No.15 25/6/2019

Sl. No		Description of work	Unit	No	Dimensions			Quantity
					L	B	D	
19	BOQ No-23	Providing chain link **fencing 50mm size of 8** guage properly stretched between existing rectangular poles and fixed with suitable bolts & nuts, the free ends shall be welded to the pole and block pipe at top and bottom as required including cost of all materials, labour, lead and lifts and as per the directions of the Engineer-in-charge of work including two coats of approved quality paint over one coat of shop paint						
			Sqm	1	66.20		6.20	410.44
				2	4.50		3.10	27.90
							Total	**438.34**

CL+FC

BVH CONSULTING ENGINEERS BENGALURU PMC

Assistant Engineer,
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28/6/19

Assistant Executive Engineer,
SWD Dasarahalli Zone,BBMP.

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BRUHAT BENGALURU MAHANAGARA PALIKE

Tender Name: Construction of RCC culverts & remodeling of U Shape drain for secondary SWD S Ramesh road to Urdu school in Dasarahalli Ward No.15

Sl. No		Description of work	Unit	No	Dimensions L	B	D	Quantity
		Premeasurments Countd. On : 01/05/2019						
19	BOQ No-25	WRD: Providing and fixing 20mm thick 150mm depth tarfelt expasion joint filler board for cement concrete lining of canal including cost of all materils, labour etc,. Complete all leads and lifts as directed by the Engineer in charge of the work.						
			Sqm	4	5.10			20.40
				4	9.10			36.40
							Total	**56.80**

PMC

Assistant Engineer,
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SWD Dasarahalli Zone,BBMP.

		Premeasurments Countd. On : 19/05/2019 – 19/05/2019						
14	BOQ No-16	**PVC pipes 2.50kg/sqm 110mm** outer dia as directed by the engineer in charge of the work						
		U-Shape -Raft CH-0.00 to 66.25	Rmt	4 x66.25		0.300		79.50
							Total	**79.50**
							Limited to	

PMC

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BRUHAT BENGALURU MAHANAGARA PALIKE

Tender Name: Construction of RCC culverts & remodeling of U Shape drain for secondary SWD S Ramesh road to Urdu school in Dasarahalli Ward No.15

Sl. No		Description of work	Unit	No	Dimensions L	B	D	Quantity
		Premeasurments Countd. On : 30/05/2019						
15	BOQ No-17	KSRRB M2200- Filter Media KSRRB M2200-9. Providing and laying of Filter media with granular materials/stone crushed aggregates satisfying the requirements laid down in clause 2500.4.2.2. of MORTH specifications to a thickness of not less than 600 mm with smaller size towards the soil and bigger size towards the wall and provided over the entire surface behind abutment, wing wall and return wall to the full height compacted to a firm condition complete as per drawing and Technical Specification complete as per specifications ans as per direted of Engineer in charge pagw no 229/28,13 with all leads and lifts as directed by the Engineer in charge of the work						
		Uradu school	Cum	2	30.00	0.45	1.80	48.60
				2	30.00	0.45	1.80	48.60
				1	6.20	0.45	1.80	5.02
							Total	**102.22**

PMC

Assistant Engineer,
SWD Dasarahalli Zone,BBMP.

Assistant Executive Engineer,
SWD Dasarahalli Zone,BBMP.

		Premeasurments Countd. On : 20/06/2019						
15	BOQ No-17	KSRRB M2200- Filter Media KSRRB M2200-9. Providing and laying of Filter media with granular materials/stone crushed aggregates satisfying the requirements laid down in clause 2500.4.2.2. of MORTH specifications to a thickness of not less than 600 mm with smaller size towards the soil and bigger size towards the wall and provided over the entire surface behind abutment, wing wall and return wall to the full height compacted to a firm condition complete as per drawing and Technical Specification complete as per specifications ans as per direted of Engineer in charge pagw no 229/28,13 with all leads and lifts as directed by the Engineer in charge of the work						
		Module house colony	Cum	1	53.95	4.50	1.50	364.16
		Deduction		-1	53.95	2.40	1.50	-194.22
							Total	**169.94**

PMC

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BRUHAT BENGALURU MAHANAGARA PALIKE

Tender Name: Construction of RCC culverts & remodeling of U Shape drain for secondary SWD S Ramesh road to Urdu school in Dasarahalli Ward No.15

Sl. No		Description of work	Unit	No	Dimensions			Quantity
					L	B	D	
16	BOQ No-19	**KSRRB M100-1 Collecting, Conveying** and disposal of surplus/excavated earth including Stone Boulder / Stone aggregates /Sand/ Kanker / Moorum to designated dumping site with all leads and lifts as directed by the Engineer in charge of the work.						
		Description of work	**Unit**	**No**	**Dimensions**			**Quantity**
					L	**B**	**D**	
			Cum	Qty as per Item No 1+2+4+5+E1+E2+~~E3~~				1608.26
							Total	**1608.26**

1563.17

PMC

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P-4-Sch B-1 - 6.75

P-2 Sch.B-2 ~~194.00~~ ~~109.44~~ ~~131.85~~

422.12

P-7 Sch.B-4 108.00

P-14 —11— 184.50

20 69.08

24 64.18

Page 7 Sch B 5 304.20

14 —11— 363.30

EIRL 1 32.40

EIRL 2 8.64

1563.17

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